

## Product datasheet for SC311253

### AS AHL (NAAA) (NM\_001042402) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AS AHL (NAAA) (NM_001042402) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAAA
Synonyms:	AS AHL; PLT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311253 representing NM_001042402. Blue=Insert sequence Red=Cloning site Green=Tag(s)

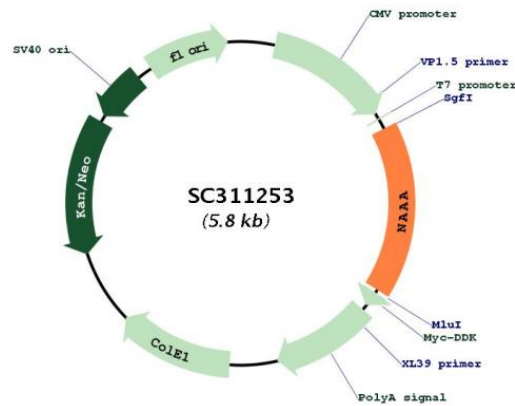
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCGGACCGCGGACCGGGAGGCGCGCCCGGGCTTCCGTCCCTGCTGCTGCTGCTGGCCGGGGCC
GGGCTGTGAGCCGCTCGCCCCAGCAGCGCCGCGCTTCAACGTGAGCCTGGACTCGGTCCCCGAGCTG
CGCTGGCTGCCCGTGTGCGGCACTACGACTTGGACTTGGTGC GCGCCGCGATGGCGCAAGTCATCGGG
GACAGAGTCCCCAAGTGGGTGCACGTGTTAATCGGAAAAGTGGTCTGGAGCTGGAGCGCTTCTGCC
CAGCCCTTCAACGGCGAGATCCGCGCATGTGTGACTTCATGAACCTCAGCCTGGCGGACTGCCTTCTG
GTCAACCTGGCCTACGAGTCTCCGTGTCTGCACCAGTATTGTGGCTCAAGACTCCAGAGGCCACATT
TACCATGGTCGGAATTTGGATTATCCTTTTGGGAATGTCTTACGCAAGCTGACAGTGGATGTGAATTC
TTAAAGAATGGGCAGATTGCATTCACAGAACTACTTTTATTGGCTATGTAGGATTATGGACTGGCCAG
AGCCACACAAGTTTACAGTTTCTGGTGTGAACGAGATAAAGGCTGGTGGTGGGAGAATGCTATCGCT
GCCCTGTTTCGGAGACACATTCCTGTCAGCTGGCTGATCCGCGCTACCCTGAGTGAGTCGGAAAAC TTC
GAAGCAGCTGTTGGCAAGTTGGCCAAGACTCCCCTATTGCTGATGTTTATTACATTGTTGGTGGCAG
TCCCCCGGGAGGGGTGGTCA TCAGAGGAACAGAGATGGCCCAGCAGACATTTGGCCTCTAGATCCT
TTGAATGGAGCGTGGTTCCGAGTTGAGACAAATTACGACCACTGGAAGCCAGACCCAAGGAAGATGAC
CGGAGAACATCTGCCATCAAGGCCCTTAATGCTACAGGACAAGCAAACCTCAGCCTGGAGGCACTTTTC
CAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001042402

Insert Size: 972 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM\\_001042402.1](#)

RefSeq Size: 1738 bp

RefSeq ORF: 972 bp

Locus ID: 27163

**UniProt ID:** Q02083

**Cytogenetics:** 4q21.1

**Protein Families:** Transmembrane

**MW:** 36 kDa

**Gene Summary:** This gene encodes an N-acyl ethanolamine-hydrolyzing enzyme which is highly similar to acid ceramidase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the C-terminus compared to isoform 1. Variants 2 and 3 both encode the same isoform (2).